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IIT RESEARCH INST ANNAPOLIS MD  
INDEX OF SPECTRUM SIGNATURE DATA.(U)  
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ECAC-I-1N(SS)

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ECACI-1N (SS)

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# INDEX OF SPECTRUM SIGNATURE DATA

IIT Research Institute  
Under Contract to  
DEPARTMENT OF DEFENSE  
Electromagnetic Compatibility Analysis Center  
Annapolis, Maryland 21402



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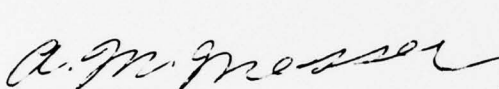
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ECAC I-1N (SS)

This report was prepared by the IIT Research Institute under Contract F-19628-76-C-0017 with the Electronic Systems Division of the Air Force Systems Command for operation of the DoD Electromagnetic Compatibility Analysis Center, Annapolis, Maryland.

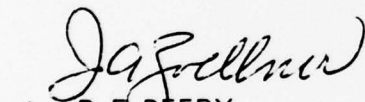
This report has been reviewed and is approved for publication.

Reviewed by:

  
A. M. MESSER  
Chief, Plans & Resource  
Management Office

  
J. M. DETERDING  
Director of Contractor Operations

Approved by:

  
R. E. BEERY  
Colonel, USAF  
Director

## INTRODUCTION

↙ This document is an index of all spectrum signature data collected in accordance with the procedures in MIL-STD-449 ( ) and submitted to ECAC. It is published for the purpose of acquainting government agencies and their contractors with the availability of these data. Users desiring any of these documents are requested to requisition them through the Defense Documentation Center (DDC), not from ECAC. For this purpose DDC reference numbers have been included where available. Those spectrum signatures with an "L" after the DDC number are controlled. Requests for these publications must be sent through the indicated service for approval prior to request from DDC. The DDC Technical Abstract Bulletins (TAB) indicate the appropriate military office to which the request should be addressed.

The user is warned that, although MIL-STD-449 ( ) was used as a guide in collecting these data, variations in the equipment, specific requirements of the contracting agency and/or ECAC, or technical difficulties encountered in measuring, have made each report unique. Examination of each report is necessary to determine its usefulness for a particular need.

This document supersedes ECAC I-1M (SS), INDEX OF SPECTRUM SIGNATURE DATA, May 1974.

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## ECAC I-1N (SS)

Equipment Nomenclature	Serial Number	Sponsoring Military Department	DDC Number	Report Date	Report Classification	Remarks
AM-4306/PRC(XE-1)	13	Army	820424L	4/67	U	
AM-4776/PRC(Modified)	5	Army	853610L	5/69	U	
AN/AKT-22	0416; 0417	Navy	531349L	8/74	C	
AN/ALQ-41	RH-559	Navy		11/67	S	
AN/ALQ-51	242	Navy		11/67	S	
AN/ALQ-53	AFX-9	Navy		11/67	S	
	AFX-10					
	AFX-17					
	AFX-22					
AN/ALQ-67(XE-2)	1	Army	391287L	7/68	C	
AN/ALR-15	17	Navy		11/67	S	
AN/ALT-68		Navy		11/67	S	
AN/ALT-21	2	Navy		9/64	C	
AN/AMT-4B	10681	Army	456920L	9/64	U	
	10693					
	10697					
AN/APN-22	AQJ 125	Army	458306L	10/64	U	
	FV 83					
	QA 554					
AN/APN-69	AF57-2034	Air Force	805568	12/66	U	
AN/APN-70A	AF52-2533	Air Force	853539	12/68	U	
AN/APN-129(V)	9	Army	458307	12/64	U	
AN/APN-133		Air Force	827458	8/67	U	
AN/APQ-72	3	Navy	388204L	3/68	C	
AN/APS-82		Navy		12/63	C	
AN/APS-94	52	Army	355580L	10/64	S	
AN/APS-95		Air Force	827390	6/67	U	
AN/APS-103		Air Force	385811	6/67	C	
AN/APX-25	12804	Air Force	437936	1/63	U	
AN/APX-44	398	Army	464865L	3/65	U	
	1198					
	1831					
AN/ARC-27	1167	Army	441360L	10/62	U	
AN/ARC-27	3410	Army	441363L	10/62	U	
AN/ARC-27	4589	Army	441369L	11/62	U	
AN/ARC-44	1219	Army	436624L	5/62	C	
AN/ARC-44	2049	Army	436625L	5/62	C	
AN/ARC-44	2062	Army	436626L	5/62	C	
AN/ARC-45	491	Army	474688L	7/65	U	

Equipment Nomenclature	Serial Number	Sponsoring Military Department	DDC Number	Report Date	Report Classification	Remarks
AN/ARC-51BX	492 506 440 546 547	Army	822159L	1/67	U	
AN/ARC-52	1	Navy	441963	4/63	U	
AN/ARC-54	1261 1580 1598	Army	482417L	11/65	U	
AN/ARC-58	75	Air Force	839139	7/68	U	
AN/ARC-59	286 19	Army	804564L	9/66	U	
AN/ARC-60A	45	Army	449946L	11/62	U	Transmitter SN Receiver SN 2429, 2430, 2235, 78, 263, 2236, 2431, 2432 4196
AN/ARC-73A	87 95 218	Army	478013L	8/65	U	
AN/ARC-89(V)	141	Air Force		2/66	U	
AN/ARC-102	143 144	Army	476618L	12/65	U	
AN/ARN-21	381	Air Force	834907	5/68	U	TACAN
AN/ARN-30D	492 497	Army	440032L	12/63	U	
AN/ARN-59	839 945 1074	Army	462640L	5/65	U	
AN/ARN-65	813	Navy	813595	3/67	U	TACAN
AN/ARR-60	1416	Air Force	352702	2/64	C	Transmitter Data
AN/ART-34	19	Army	483176L	11/65	U	
AN/ART-41	BN-10	Army	366843L	7/63	C	
AN/ARW-55	11	Navy	422748L	10/62	U	
AN/ARW-56	13 15	Navy	456066L	9/63	U	



ECAC I-1N (SS)

Equipment Nomenclature	Serial Number	Sponsoring Military Department	DDC Number	Report Date	Report Classification	Remarks
AN/ARW-65	31	Air Force	299544	3/63	U	Receiver Data
AN/ARW-78	SE-71	Navy	810428L	10/65	U	
AN/BRR-3(XN-2)	ENG	Navy		3/67	C	
AN/DLO-3(XN-1)	1	Army		6/66	S	
AN/DPN-53	139	Air Force	385810	2/67	C	Transmitter Only
AN/DPN-62	271	Army	458858	10/64	U	
	576					
AN/FPN-40	55	Army	464864L	6/65	U	
AN/FPS-6	2	Air Force	603263	8/63	U	Receiver SN 12
AN/FPS-6		Air Force	405455	5/62	U	
AN/FPS-7B		Air Force		11/63	C	
AN/FPS-7C		Air Force	343890L	1/62	S	
AN/FPS-8	3	Air Force	400304	5/62	U	Missile Range Radar See AN/FPS-65 for Anti-jam Data
AN/FPS-16		Air Force		12/66	U	
AN/FPS-20		Air Force	287769L	2/62	U	
AN/FPS-24		Air Force	357328	1/64	S	Vol. I Receiver Data Vol. II Receiver Data
AN/FPS-24		Air Force	357329	1/64	S	
AN/FPS-24		Air Force	335176	7/62	S	
AN/FPS-26	(SM-132)	Air Force	356133L	10/63	S	
AN/FPS-26		Air Force	356135L	10/63	S	Vol. I Transmitter Data Vol. II Receiver Data Vol. III Antenna Data IFF Antenna Pattern by ASM-13
AN/FPS-26		Air Force	356130L	10/63	S	
AN/FPS-27		Air Force		12/62	U	
AN/FPS-27	1	Air Force	351700L	8/63	S	Antenna Pattern by ASM-13
AN/FPS-28		Air Force		9/63	U	
AN/FPS-35	4	Air Force	327493	12/61	S	
AN/FPS-35		Air Force	353970	9/63	S	
AN/FPS-36	215	Army	473148L	9/61	U	Transmitter SN 1
AN/FPS-36	69	Army	473149L	10/61	U	
AN/FPS-36	1241	Army	473150L	6/61	U	
AN/FPS-41		Navy	816787L	7/67	U	
AN/FPS-65	9	Air Force	344913	10/63	C	For Normal Receiver See AN/FPS-20
AN/FPS-71	4333	Army	376160L	7/66	S	
AN/FPS-77		Air Force	482034L	2/66	U	
AN/FPT-11(XN-1)	101, 110	Navy	816450L	4/66	U	Part 1

Equipment Nomenclature	Serial Number	Sponsoring Military Department	DDC Number	Report Date	Report Classification	Remarks
AN/FPT-11(XN-1)	101, 110	Navy	816450L	4/66	U	Part 1
AN/FPT-11(XN-1)	101, 110	Navy	816451L	4/66	U	Part 2
AN/FRA-31		Navy		2/66	U	Forestport, N.Y.
AN/FRC-15		Army	449938L	8/64	U	Transmitter SN 245, 186, 88
AN/FRC-93		Army	906934L	11/73	U	Receiver SN 1311, 1327
						Transmitter SN 37905, 37844
						Linear Amplifier (3979/FRC-93) SN 41256, 41248
AN/FRC-97		Air Force	835715L	4/66	U	
AN/FRN-22A	15	Army	461300L	3/65	U	
AN/FRN-23	28	Army	452346L	11/64	U	
AN/FRN-23	85	Army	462644	10/64	U	Addendum
AN/FRN-23	141	Army				
AN/FRN-23	85	Army				
AN/FRN-23	141	Army				
AN/FRR-49(V)		Navy	474771L	10/65	U	
AN/FRT-49		Army	487448L	3/66	U	See TDDL
AN/FRW-53A	22	Air Force	435605	2/64	U	Two Samples
AN/FRW-2	0109	Air Force		10/64	U	
AN/FST-2B		Army	375701L	6/66	C	See TDDL
AN/GKA-5		Army	458255L	10/64	U	
AN/GLO-3	292	Army	451337L	10/64	U	
AN/GMD-1B		Army	422067	1/62	U	Transmitter SN 1374, 1149, 1332
AN/GRC-10		Air Force	808257	1/67	U	Receiver SN 1390, 1399, 502
AN/GRC-27		Air Force	484752L	6/66	U	Transmitter SN 253
AN/GRC-27		Army	803207L	6/66	U	Receiver SN 680
AN/GRC-50		Army	488393L	9/66	U	Transmitter SN 726
AN/GRC-103	101	Army			U	Receiver SN 680
AN/GRC-106	102	Army			U	Receiver SN 450, 451, 456
	022	Army			U	
	099	Army			U	
	019	Army			U	
AN/GRC-108(XE-3)	1XE3	Army	840122L	9/68	U	
	2XE3	Army			U	
AN/GRC-109	535	Army	826542L	5/67	U	
	536	Army			U	
	537	Army			U	



Equipment Nomenclature	Serial Number	Sponsoring Military Department	DDC Number	Report Date	Report Classification	Remarks
AN/GRC-112	1	Air Force	377019L	5/65	S	See AN/TYA-11/GRC-112
AN/GRC-115	2	Army	807588L	10/66	U	
AN/GRC-143						
AN/GRC-144		Army	868429L	4/70	U	Transmitter SN 2, 3 Receiver SN 1, 2
AN/GRC-147		Army	861268L	9/69	U	Transmitter SN 11, 13 Receiver SN 8, 10, 12
AN/GRN-6	12	Army	445298L	4/64	U	
	42					
	61					
AN/GRR-5	431	Army	436572L	6/62	U	
AN/GRR-5	1794	Army	436608L	6/62	U	
AN/GRR-5	2997	Army	436609L	6/62	C	
AN/GRR-7	598	Air Force		10/64	U	
AN/GRR-7	2974	Air Force	868236L	9/69	U	
AN/GRR-7	3452	Air Force	298232L	3/63	U	
AN/GRR-23	9637	Army	923222L	5/73	U	
AN/GRR-24	4057	Army	923223L	5/73	U	USAEFG-FR-821 USAEFG-FR-821
AN/GRT-3	104	Air Force	298232L	3/63	U	
AN/GRT-3	2547	Air Force	868236L	9/69	U	
AN/GRT-21	1164; 767	Army	923222L	5/73	U	
AN/GRT-22	6066; 5458	Army	923223L	5/73	U	USAEFG-FR-815 USAEFG-FR-815
AN/MPN-13	67	Air Force	468219	6/65	U	Vol. I
AN/MPN-13	67	Air Force	468220	6/65	U	Vol. II
AN/MPQ-4A	72	Army	453729L	7/64	U	Supplement
AN/MPQ-10	34	Army	473152L	5/62	U	
AN/MPQ-10	34	Army	473153L	6/62	U	
AN/MPQ-10A	116A	Army	473154L	5/62	U	
AN/MPQ-10A	97A	Army	473155L	5/62	U	
AN/MPQ-29	3	Army	457157L	6/64	U	
AN/MPQ-33	07156	Army	354213L	5/64	S	Transmitter Only
AN/MPQ-34	09023	Army	354788L	5/64	S	
AN/MPQ-34	09012, 09023	Army	354788	10/64	S	
AN/MPQ-35	09018	Army	366840L	1/62	C	
AN/MPQ-35	07036	Army	366841L	12/61	U	
AN/MPQ-35	09013	Army	366842L	11/61	C	
AN/MPQ-35(XO 5)	09057	Army	376956L	7/66	S	
AN/MPQ-37	09014	Army	354310L	3/64	S	
AN/MPQ-39	09017	Army	355613L	10/64	S	

Equipment Nomenclature	Serial Number	Sponsoring Military Department	DDC Number	Report Date	Report Classification	Remarks
AN/MPS-23A	3	Army	441366L	7/65	S	Surveillance Set
AN/MRC-98	32	Air Force	441366L	4/69	U	
AN/PPN-13(XE-2)		Army		5/62	U	
AN/PPS-4	548	Army	448029L	5/64	U	
AN/PPS-5	058	Army	861393L	11/69	U	
AN/PRC-6	JB904	Army	441390	11/63	U	
AN/PRC-6	20257	Army	441391L	8/62	U	
AN/PRC-6	10802	Army	441392L	11/63	U	
AN/PRC-8	6505	Army	436615L	6/62	U	
AN/PRC-8	1800	Army	436616L	6/62	U	
AN/PRC-8	1765	Army	436617L	6/62	U	
AN/PRC-8	351	Army	436564L	5/62	U	
AN/PRC-9	165	Army	436565L	5/62	U	
AN/PRC-9	433	Army	436566L	5/62	U	
AN/PRC-10	732	Army	441384L	10/63	U	
AN/PRC-10	9099	Army	441385L	10/63	U	
AN/PRC-10	639	Army	441386L	10/63	U	
AN/PRC-25	537	Army	441365L	11/63	U	
AN/PRC-25	1197	Army	441366L	11/63	U	
AN/PRC-25	1224	Army	441367L	11/63	U	
AN/PRC-25	562	Army	820424L	4/67	U	With AM-4306/PRC(XE-1)
AN/PRC-38(XN-2)	5, 6	Army	440029L	12/64	U	
AN/PRC-38(XN-2)	14	Army	444100L	12/64	U	
AN/PRC-47	512	Army	441359L	11/63	U	
AN/PRC-47	511	Army	441546L	11/63	U	
AN/PRC-62(XC-1)	2	Army	810346L	10/66	U	
AN/PRC-64	160	Army	803800L	9/66	U	
	161					
AN/PRC-74	162	Army	803987L	9/66	U	
	113					
	115					
	116					
AN/PRC-74(Modified)	5	Army	842008	10/68	U	With AM-4776, SN 2
AN/PRC-74(Modified)	5	Army	853610L	5/69	U	
AN/PRR-9( )	2458	Army	482480L	8/65	U	
	2460					
	2461					
AN/PRT-4( )	2463	Army	476866L	8/65	U	
	2464					
	2467					

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Equipment Nomenclature	Serial Number	Sponsoring Military Department	DDC Number	Report Date	Report Classification	Remarks
AN/PRT-5	61	Navy	C002605L	8/72	U	Antenna Patterns Supplement
AN/SLO-24B	824	Navy	510655L	3/72	S	
AN/SPG-49B		Navy	373760L	8/64	C	
AN/SPG-49B	9	Navy	510655L	7/65	C	Antenna Patterns
AN/SPG-50	9	Navy	355342L	1/70	C	
AN/SPG-51	12	Navy	353955L	11/63	C	
AN/SPG-51B	1	Navy	368041L	12/62	C	See Also AN/SPG-51B for Antenna Data
AN/SPG-51B	59	Navy	379781L	5/65	C	
AN/SPG-53A	131511	Navy	355410	5/64	C	
AN/SPG-55	125	Navy	357079L	10/63	C	Part I Part II Supplement
AN/SPG-55A	26	Navy		5/63	C	
AN/SPG-55B		Navy	373052L	11/64	C	
AN/SPG-55B	1	Navy	376019L	5/65	C	Partial Data Preliminary Report Is Final
AN/SPG-55B	1	Navy	376020L	5/65	C	
AN/SPN-6	1	Navy	510641	5/68	U	
AN/SPN-10	A5, A6	Navy		11/69	U	Supplement Draft Letter Report Interim Report Final Report Supplement
AN/SPN-12		Navy		7/63	U	
AN/SPN-41(XN-2)		Navy	849934L	7/68	U	
AN/SPN-42		Navy		10/67	U	Applies to AN/SPS-29C Partial
AN/SPN-43	1	Navy	824917L	3/67	U	
AN/SPN-43	1	Navy	852202L	12/68	U	
AN/SPN-44		Navy	B005066L	12/70	U	Applies to AN/SPS-37A Antenna Data Only, Includes AN/SPS-43
AN/SPS-5D		Navy		7/71	U	
AN/SPS-6C	5	Navy	427921	7/61	U	
AN/SPS-6C	260	Navy	427922	5/62	U	Applies to AN/SPS-29C Partial
AN/SPS-6C		Navy	488020L	8/66	U	
AN/SPS-10D	65	Navy	446393L	3/63	U	
AN/SPS-12		Navy	469050L	8/65	U	Applies to AN/SPS-37A Antenna Data Only, Includes AN/SPS-43
AN/SPS-12		Navy	469051L	8/65	U	
AN/SPS-29	17	Navy	363328L	9/62	C	
AN/SPS-29C		Navy	C003103L	8/71	C	Applies to AN/SPS-37A Antenna Data Only, Includes AN/SPS-43
AN/SPS-30		Navy	354557L	11/63	C	
AN/SPS-30		Navy	386292	3/67	C	
AN/SPS-37	19	Navy	355004L	7/62	C	Applies to AN/SPS-37A Antenna Data Only, Includes AN/SPS-43
AN/SPS-37A		Navy	347918	2/63	C	

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Equipment Nomenclature	Serial Number	Sponsoring Military Department	DDC Number	Report Date	Report Classification	Remarks
AN/SPS-39	2	Navy	347916	4/62	C	Applies to AN/SPS-39A Partial Data
AN/SPS-40	3	Navy	355341L	6/62	C	
AN/SPS-40	A3	Navy	380491L	7/65	C	
AN/SPS-40A		Navy		1/70	C	
AN/SPS-40B, C	A44	Navy	C001135L	2/75	C	
AN/SPS-43, -43A	4	Navy	353765L	6/63		See AN/SPS-37A for Antenna Data Partial Data Partial Data Transmitter Data Only Partial Data
AN/SPS-48	A2	Navy	510939L	1/70	C	
AN/SPS-49	2	Navy	371696L	10/64	C	
AN/SPS-50(XN-1)		Navy	379024L	11/65	C	
AN/SPS-52	B3	Navy	376740L	8/65	C	
AN/SPS-54(XN-1M)	2	Navy	516749L	9/69	C	
AN/SPS-55(XN-1)	A2	Navy	501679L	6/68	C	
AN/SPW-2B	22	Navy	364286L	2/75	C	
AN/SPW-2B	22	Navy	510717L	3/65	C	Supplement
AN/SRC-8	5204	Army		1/70	C	
	5202			11/67	U	
AN/SRC-20/21		Navy	431754	2/63	U	
AN/SRN-9	004	Navy		12/68	U	
AN/SRW-4B	PN-5	Navy		8/66	U	
AN/TPN-8	4	Army	475715L	1/65	U	
AN/TPN-12A		Air Force	489811	11/65	U	
AN/TPN-14	3	Air Force	482405	3/65	U	
AN/TPQ-28	10	Army		4/69	C	
AN/TPS-1D	238	Army	473145L	1/62	U	
AN/TPS-1D	1224	Army	473146L	10/61	U	
AN/TPS-1D	1186	Army	473147L	4/62	U	
AN/TPS-1D	473	Air Force	281717	2/62	U	
AN/TPS-1D	645	Navy	427928	1/62	U	
AN/TPS-15X	10	Navy	427927	9/62	U	
AN/TPS-22	1	Air Force	347562	1/63	C	
AN/TPS-22		Air Force	362976	5/65	C	Receiver Data Only
AN/TPS-25	6	Army	448465L	6/64	U	
AN/TPS-32	SF013-15-11	Navy	355564L	11/63	C	
AN/TPS-33	423	Army	447989L	6/64	U	
AN/TPS-34	A14	Navy	368693L	1/65	C	Transmitter Data
AN/TPS-34	A14	Navy	368694L	1/65	C	Receiver Data
AN/TPS-37	27	Navy	365246L	4/65	C	

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Equipment Nomenclature	Serial Number	Sponsoring Military Department	DDC Number	Report Date	Report Classification	Remarks
AN/TPX-26	92 108 462 2714 1196 1222 64 184	Army	460850L	11/64	U	
AN/TRC-8		Army	436611L	5/62	U	
AN/TRC-8		Army	436612L	5/62	U	
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